

# 4182

Diag. Cht. No. 1239-2

# 4182

Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <i>N. Carolina</i>
21-5613
DESCRIPTIVE REPORT.
<i>Hydro</i> Sheet No. <b>4182</b>
LOCALITY:
<i>North Edisto River</i>
<i>Stone River Entrance</i>
<i>to Frampton Inlet</i>
<hr/> 1921 <hr/>
CHIEF OF PARTY:
<i>R. F. Luce</i>

## General Description of the Coast.

The coast is low and on the whole heavily wooded with no outstanding natural features.

## ( Landmarks.

The only real landmark on this sheet is a ~~two~~<sup>one</sup> and a half story club house on the northeast point of the entrance to the North Edisto River. Behind the house is a water tank. Both the house and tank show up well for several miles offshore.

## Bars and Channels.

The entrance to the North Edisto River is between two lines of breakers both of which are clearly defined. The channel is deep all the way across and continues to be deep almost to the breaker line. The channel is buoyed. The least water on the bar is ten feet at low water. Inside the breakers there are small slues on each side the entrance through which small boats can pass under favorable conditions of wind and sea.

## Changes in Coastline.

There are extensive changes in the shoreline but these have been taken up in detail in the descriptive reports of the topographic sheets of this area.

## Survey Methods.

The usual survey methods were used and control was obtained by signals on shore at about every mile and a half located by topography traverse.

STATISTIC SHEET TO ACCOMPANY  
Sheet "C"  
Frampton Inlet to Stono River Entrance.

DATE	LETTER	VOLUME	POSITIONS	SOUNDINGS	MILES	VESSELS
June 23	A	1	166	688	37.0	MIKAWA
29	B	1	263	275	15.3	"
Aug. 9	C	2	22	105	3.6	"
10	D	2	79	331	18.7	"
12	E	2	104	436	27.6	"
Sept. 16	F	2	71	295	15.5	"
June 13	a	1	49	184	4.6	Motor Sailer
17	b	1	83	459	16.5	" "
22	c	1	118	465	18.5	" "
23	d	2	162	759	32.6	" "
24	e	2	61	293	11.5	" "
27	f	3	44	159	6.5	" "
28	g	3	151	1033	30.5	" "
29	h	3	46	201	8.8	" "
Aug. 9	j	4	99	501	19.0	" "
10	k	4	57	481	15.5	" "
11	l	4	62	347	11.8	" "
12	m	5	81	612	19.8	" "
Sept. 1	n	5	50	339	11.9	" "
TOTALS			1568	7963	326.2	

AND REFER TO NO. 9-MEM

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON HYDROGRAPHIC SHEET No. 4182.

Surveyed in 1921.

Chief of Party: R. F. Luce. Soundings plotted by D. E. Whelan

Surveyed by R. F. Luce and R. D. Horne. Verified and inked by M. Leff.

Protracted by W. F. Malnate

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the development fulfill the requirements of the General Instructions, except that there are no cross check sounding lines in the outside work. Check lines were not called for in the specific instructions but they could have been done without appreciable consumption of time while proceeding to and from the eastern and western limits of the work.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The development is sufficient to permit the drawing of the usual depth curves.
6. The field drafting was completed to the extent prescribed in General Instructions, and none of it had to be done over again by the office draftsman.
7. The junctions with adjacent sheets are satisfactory, the agreement with the offshore survey of 1916 being remarkably good.
8. This survey is not a close development and additional work on the shoals and on the bar would probably reveal shoaler water. It is believed, however, that the survey satisfies the navigational requirements of this locality and that no further surveying is required. Attention is called to the detached shoals five to ten miles offshore on which  $4\frac{1}{2}$  to 5 fathoms are found. The survey covering those shoals consists of sounding lines spaced one-fourth mile apart, and it is quite probable that shoaler water exists on them.
9. The character of the surveying is excellent and its scope is fair, although complying with the specific instructions. The field drafting is excellent.
10. reviewed by E. P. Ellis, March, 1922.

~~10~~  
3

January 11, 1922.

Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in  
7 volumes of sounding records for

HYDROGRAPHIC SHEET 4182

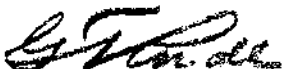
Locality: Approaches to North Edisto River, So. Carolina

Chief of Party: R. F. Luce in 1921.

Plane of reference is mean low water, reading

- \* 2.7 ft. on tide staff at Wilson's Wharf, Rockville.
- 3.1 " " " " " Lighthouse Inlet, Morris Island.
- \* Allowance made for difference in tide at place of soundings.

Condition of records: Satisfactory.



Chief, Division of Tides and Currents.

COPY TO FIELD RECORDS.

January 11, 1922.

Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in  
volumes of sounding records for

HYDROGRAPHIC SHEET 4182

Locality: Approaches to North Edisto River, So. Carolina

Chief of Party: R. F. Luce in 1921.

Plane of reference is mean low water, reading

- \* 2.7 ft. on tide staff at Wilson's Wharf, Rockville.
- 3.1 " " " " " Lighthouse Point, Morris Island.
- \* Allowance made for difference in tide at place of soundings.

Condition of records: Satisfactory.



Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4182 Field Letter "C"

State South Carolina

General locality Coast North Edisto River

Locality Frampton Inlet to Stono River Entrance

Chief of party R. F. Luce

Surveyed by R. F. Luce and R. D. Horne.

Date of survey June to August 1921

Scale 1:20000

Soundings in Feet

Plane of reference M. L. W.

Protracted by Wm. Malnate Soundings in pencil by Wm. Malnate

Inked by M. L. Luce Verified by M. L. Luce

Records accompanying sheet (check those forwarded):

Des. report, 2 X Tide books, \_\_\_\_\_ Marigrams, 2 Boat sheets,

7 Sounding books, \_\_\_\_\_ Wire-drag books, \_\_\_\_\_ Photographs.

Data from other sources affecting sheet \_\_\_\_\_

Remarks:

Tide books covering work on this sheet were forwarded to the office in September.

Applied (in part) to Chart 793 July 3, 1936. H.E. MacEwen  
Applied to Chart 792 November 25, 1936 H.E.M.